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FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS



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MAY 28 1966

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
IDAHO

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
IDAHO STATE RECLAMATION ENGINEER

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
APR. 1, 1966

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
BASIC DATA SUMMARY	OCTOBER 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN. 15 - APR. 1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
GOLDADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
IDAHO

Report prepared by

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and

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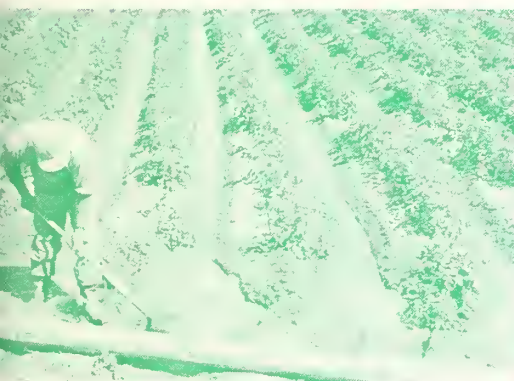
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WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR APRIL 1, 1966

* The water supply outlook is for below normal flows for most of the *
* rivers in Idaho. The Kootenai River and the Big Lost River are very *
* near average with all the other rivers well below normal. Snowfall *
* was light for the month of March following the pattern of the entire *
* winter season. The maximum snow pack for the year was apparently *
* reached just before the first of April. Snow cover varies from 35% *
* of normal on the Malad River to 93% on the Kootenai River in northern *
* Idaho. Soil moisture beneath the snow pack is generally above norm- *
* al but less than 1965. The major snow melt has started on most of *
* the low elevation rivers and soil moisture sites are indicating sat- *
* urated soils. On many rivers throughout southern Idaho, reservoir *
* stored water will have to be used to have a normal water supply for *
* the 1966 season. *

The KOOTENAI RIVER has a snow pack 93% of normal with forecasts of stream-flow at 102%. The high mountains on this river continue to accumulate snow until the first of May in an average year. However, 1966 appears to be a year in which the Kootenai watershed remains close to normal for soil moisture, snow pack and snow melt.

The SPOKANE DRAINAGE has a near normal snow pack with forecasts of water supply at 2,800,000 acre-feet or 82% of normal for the April through September period.

The CLEARWATER RIVER has a snow pack 84% of average, with forecasts of flow for the April through September period at 83%. The new courses on the North Fork of the Clearwater have proven to receive significantly more snow-water each year than the older courses, such as Shanghai Summit and Forty-nine Meadows. It is possible these new courses, when a sufficient record is accumulated, will provide data for more accurate forecast procedures. Snow pillow and radio isotope gages, operated by the Corps of Engineers, are providing data on the snow melt that has not been available in the past. A small tributary to the Clearwater - MISSION CREEK - has an unusually heavy snow pack for the second year in a row. Snow-water content on this drainage is higher than last year when extensive damage was done due to a rapid snow melt. This drainage could again produce damaging high flows if snow melt is continuous and rapid.

The SALMON RIVER has a considerably below normal snow pack. This is in high contrast to the all time maximum snow pack measured on the Salmon River in 1965. The forecast of 5,800,000 acre-feet for the April through September period is 83% of the average.

The SNAKE, HENRY'S FORK and the TETON Rivers all have a snow pack more than 20% below the average. Soil moisture stations, however, indicate above normal soil moisture beneath the snow pack, even at elevations about 9,000 feet. Reservoirs on the Snake and Henry's Fork contain excellent carry-over water which can make up for any deficiency in 1966 seasonal streamflow.

The RAFT RIVER, GOOSE CREEK, TRAPPER CREEK, SALMON FALLS CREEK, BRUNEAU and OWYHEE RIVERS are forecast to have far below normal streamflow during the 1966 season. On the streams with reservoir storage, the water in storage can make up for most of the deficiency expected in streamflow this year. Soil moisture beneath the snow pack is above normal, however, the light snow pack offsets this condition and results in a forecast of less than 75% of normal for all of these rivers. Water users should stretch their water as far as possible to make the most efficient use of the 1966 supplies.

The BIG LOST RIVER has a near normal snow pack with forecasts of slightly over 100% for streamflow. Soil moisture stations on this drainage indicate excellent moisture conditions beneath the snow pack. The water supply outlook, by drawing on some stored water, is expected to be normal on this river.

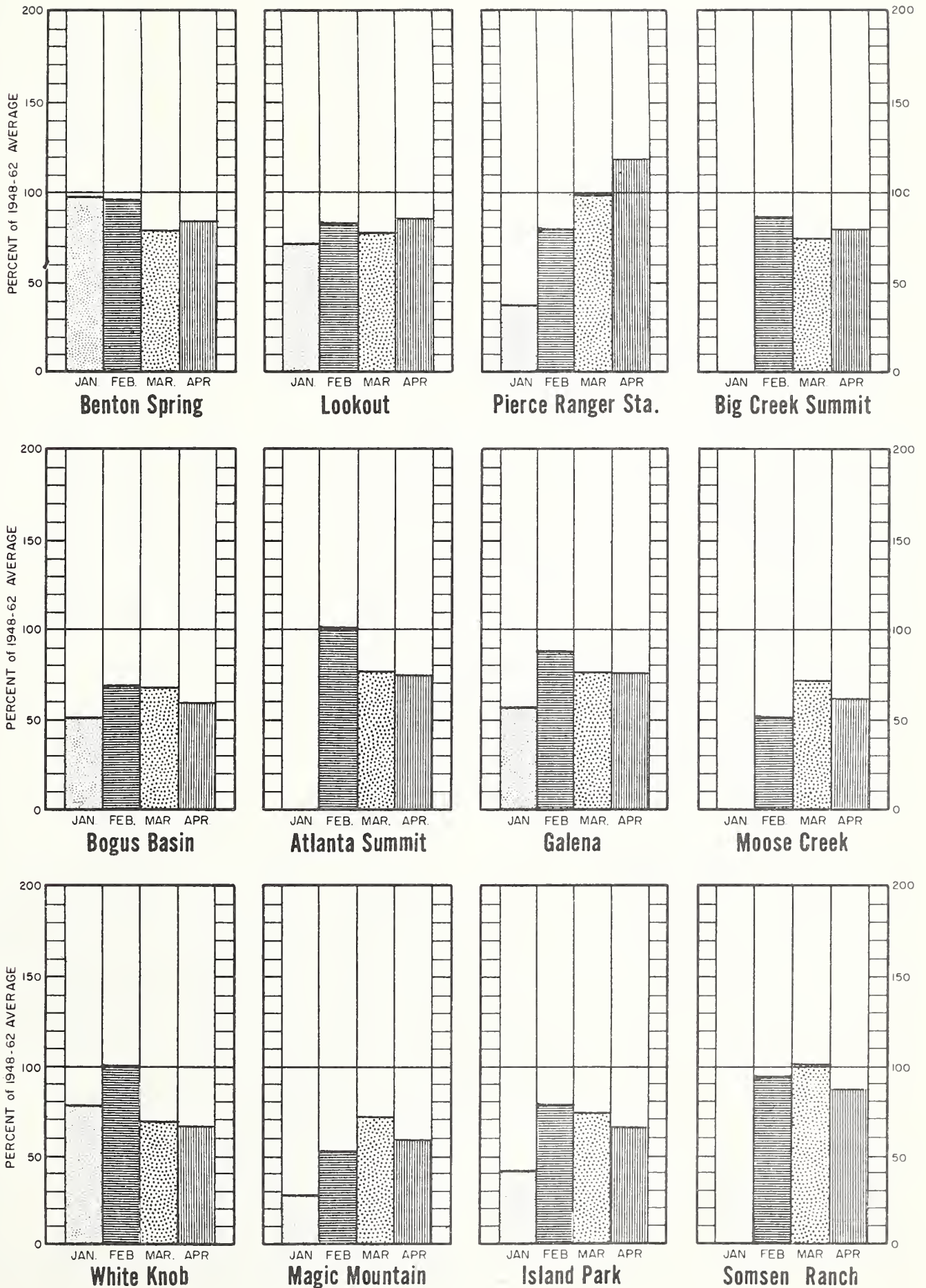
The BIG and LITTLE WOOD RIVERS have a snow pack more than 25% below normal, but the watershed soils beneath the snow are moist. The forecasts on these rivers are also below 80% of average, but the deficiency in streamflow can be made up by using reservoir stored water.

The BOISE RIVER snow cover is 71% of normal, but soil moisture beneath the snow pack is well above average. Forecasts for the April through September period are 1,200,000 acre-feet or 77% of normal. Reservoir storage is excellent and can make up for any deficiency in streamflow that may occur.

The PAYETTE RIVER snow pack is 80% of normal. Soil moisture conditions beneath the snow are good. Excellent carryover storage from 1965 indicates that a normal water supply is available by drawing on stored water.

SNOW WATER DEPTHS ACCUMULATION For Selected Snow Courses As Compared To 1948-62 15Yr. Average

APRIL 1, 1966



COMPARISON of SNOW COVER

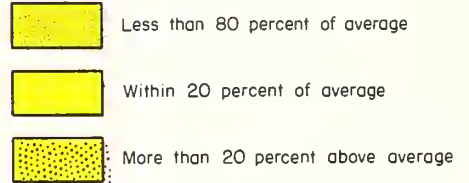
RIVER BASIN WATERSHED	NO.OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1948-62 AVERAGE
<u>UPPER COLUMBIA RIVER BASIN</u>			
Kootenai River	15	87	93
Pend Oreille River	68	67	79
Clark Fork River	44	63	74
Flathead River	24	72	87
Priest River	2	78	83
Spokane River	13	87	95
<u>LOWER SNAKE RIVER BASIN</u>			
Palouse River	5	85	82
Clearwater River	10	74	84
Salmon River	11	59	76
Lemhi River	6	45	--
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	5	32	55
Big Lost River	5	50	86
Fish Creek	2	50	88
Little Wood River	3-4	51	79
Big Wood River	9	48	72
Canyon Creek	4	34	--
Boise River	13	53	71
Payette River	12	67	80
Weiser River	2	74	85
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	4	63	66
Goose-Trapper Creeks	2	60	60
Salmon Falls Creek	8	59	70
Bruneau River	5	62	73
Owyhee River	24-42	60	63
<u>UPPER SNAKE RIVER BASIN</u>			
Upper Snake - Wyoming	20	63	79
Camas-Beaver Creeks	3	61	68
Medicine Lodge Creek	2	44	--
Henry's Fork River	4	61	75
Teton River	2	54	62
Blackfoot River	4	68	87
Portneuf River	3	62	64
<u>GREAT BASIN</u>			
Bear River	15	55	73
Montpelier Creek	4	63	--
Mink Creek	4-7	56	63
Cub River	3	62	71
Malad River	2	30	35

SNOW WATER DEPTHS

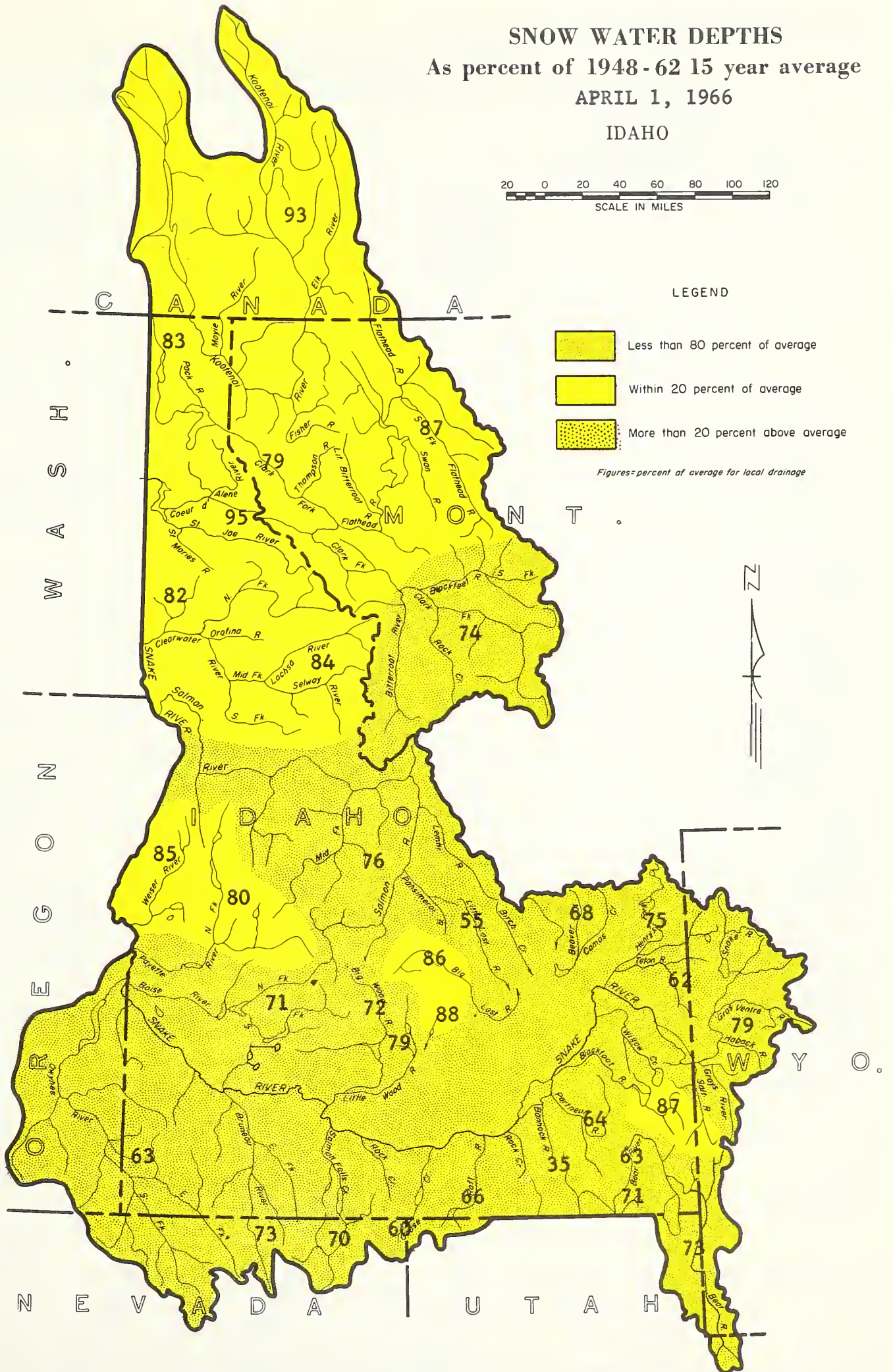
As percent of 1948-62 15 year average
APRIL 1, 1966
IDAHO

20 0 20 40 60 80 100 120
SCALE IN MILES

LEGEND



Figures=percent of average for local drainage



RESERVOIR STORAGE (1,000 Ac. Ft.)

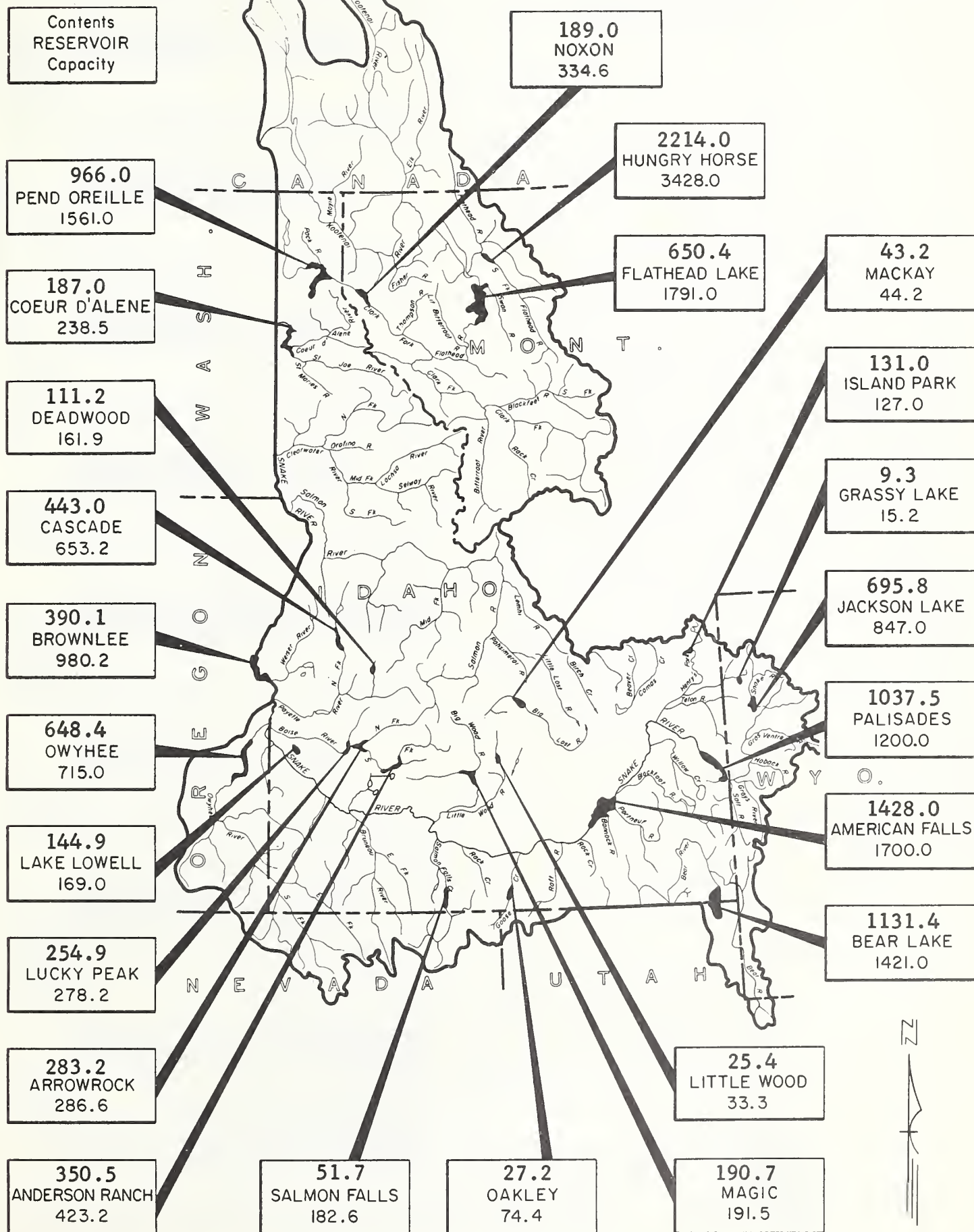
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1948 - 62 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2214.0	1567.0	2244.4*
Flathead	1791.0	650.4	958.1	690.8
Pend Oreille	1561.0	966.0	429.6	669.3
Noxon	334.6	189.0	150.3	--
Spokane				
Coeur d'Alene	238.5	187.0	104.7	174.5
SNAKE BASIN				
Snake				
Jackson Lake	847.0	695.8	478.7	393.8
Palisades	1200.0	1037.5	394.9	--
American Falls	1700.0	1428.0	1453.2	1556.6
Island Park	127.0	131.0	127.0	117.1
Grassy Lake	15.2	9.3	12.3	12.1
Brownlee	980.2	390.1	44.7	--
Goose-Trapper Creeks				
Oakley	74.4	27.2	24.5	20.4
Salmon Falls Creek				
Salmon Falls	182.6	51.7	54.9	29.6
Big Lost				
Mackay	44.2	43.2	30.2	32.8
Big Wood				
Magic	191.5	190.7	143.0	107.3
Little Wood				
Little Wood	30.0	25.4	4.6	12.7*
Fish Creek				
Carey Valley	13.0	11.3	12.6	--
Boise				
Anderson Ranch	423.2	350.5	185.1	156.2
Arrowrock	286.6	283.2	100.0	200.8
Lucky Peak	278.2	254.9	13.9	169.3*
Lake Lowell (Deer Flat)	169.0	144.9	169.0	146.0
Owyhee				
Owyhee	715.0	648.4	638.2	483.4
Payette				
Cascade	653.2	443.0	182.6	--
Deadwood	161.9	111.2	105.9	76.0
GREAT BASIN				
Bear				
Bear Lake	1421.0	1131.4	948.0	920.0
* Period of Record.				

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

APRIL 1, 1966

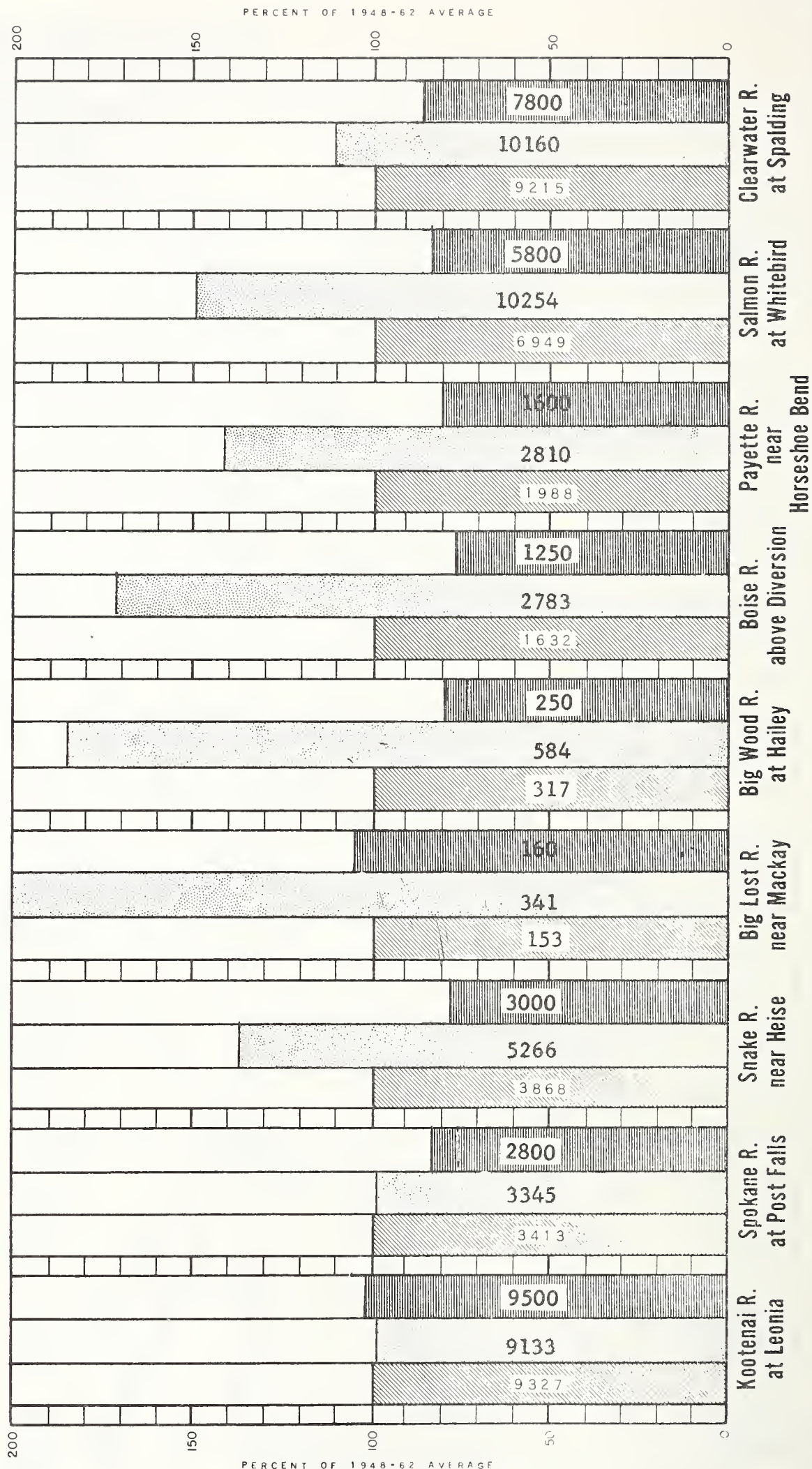
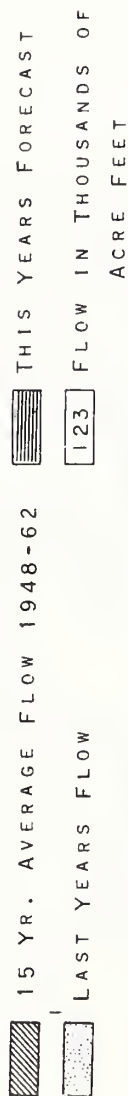
50 0 50 100 150
SCALE IN MILES



STREAMFLOW FORECASTS (April through September period)

Based on Snow Surveys made on approximately

APRIL 1, 1966





STREAMFLOW FORECASTS^c (1,000 Ac. Ft.)

STREAM and/or FORECAST POINT		FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	1948-1962 AVERAGE	THIS YEAR AS PERCENT OF AVERAGE
<u>UPPER COLUMBIA BASIN</u>						
<u>KOOTENAI RIVER</u>						
Leonía	(at)	9500	Apr-Sep	9131	9327	102
		8350	Apr-Jul	7937	8179	102
		6750	Apr-Jun	6416	6601	102
<u>PEND OREILLE RIVER</u>						
<u>Clark Fork River</u>						
Whitehorse Rapids	(at)	12130	Apr-Sep	17390	14398	84
		11060	Apr-Jul	15496	13187	84
		9500	Apr-Jun	13320	11318	84
<u>Priest River</u>						
Priest River 1/	(nr)	810	Apr-Jul	928	954	85
<u>SPOKANE RIVER</u>						
Post Falls 2/	(at)	2800	Apr-Sep	3345	3413	82
<u>Coeur d'Alene River</u>						
Cataldo	(nr)	1100	Apr-Sep	--	1377	80
		1050	Apr-Jul	--	1317	80
<u>St. Joe River</u>						
Calder	(at)	1200	Apr-Sep	--	1453	83
		1130	Apr-Jul	--	1383	82
<u>SNAKE RIVER BASIN</u>						
<u>SNAKE RIVER - MAIN STEM</u>						
Moran 3/	(at)	692	Apr-Sep	1115	865	80
Palisades Inflow 3/		2592	Apr-Sep	--	3314	78
Heise 4/	(nr)	3000	Apr-Sep	5260	3868	78
Blackfoot 5/	(nr)	3140	Apr-Jul	3642	3976	79
Weiser	(at)	5100	Apr-Sep	9048	6949	73
<u>Henry's Fork</u>						
Ashton 6/	(nr)	575	Apr-Sep	758	610	94
Rexburg 7/	(nr)	1080	Apr-Sep	1584	1258	86
<u>Teton River</u>						
St. Anthony	(nr)	315	Apr-Sep	472	402	78
<u>Blackfoot River</u>						
Blackfoot						
Reservoir Inflow		92	Apr-Sep	--	102	90

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake and diversions by Spokane Valley Farms Company and Rathdrum Prairie canals. 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

STREAMFLOW FORECASTS^c (1,000 Ac. Ft.)

STREAM and/or FORECAST POINT		FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	1948-1962 AVERAGE	THIS YEAR AS PERCENT OF AVERAGE
<u>Portneuf River</u>						
Topaz	(at)	65	Mar-Sep	106	89	73
<u>Oakley Reservoir Inflow</u>		16.5	Mar-Sep	39	22.4	74
<u>Salmon Falls Creek</u>						
San Jacinto	(nr)	58	Mar-Sep	106	78	74
<u>Bruneau River</u>						
Hot Springs	(nr)	160	Mar-Sep	279	215	75
<u>Little Lost River</u>						
Howe	(nr)	35	Mar-Sep	53	37	95
<u>Big Lost River</u>						
Howell Ranch	(at)	190	Apr-Sep	356	181	105
		140	Apr-Jun	214	131	107
Mackay <u>1/</u>	(nr)	160	Apr-Sep	341	153	105
<u>Big Wood River</u>						
Hailey <u>2/</u>	(at)	250	Apr-Sep	587	317	79
Magic Reservoir Inflow <u>3/</u>		190	Mar-Jul	662	277	69
<u>Little Wood River</u>						
High Five Creek	(ab)	70	Apr-Sep	188	80	88
<u>Boise River</u>						
Twin Springs	(nr)	590	Apr-Sep	1122	756	78
		550	Apr-Jul	1033	704	78
Boise <u>4/</u>	(nr)	1250	Apr-Sep	2783	1632	77
<u>South Fork</u>						
Anderson Dam <u>5/</u>	(at)	430	Apr-Sep	1103	610	70
<u>Owyhee River</u>						
Gold Cr., Nev. <u>6/</u>	(nr)	10	Apr-Jul	28	22	45
Owyhee, Nev. <u>6/</u>	(nr)	37	Apr-Jul	97	74	50
Lake Owyhee		160	Apr-Sep	411	381	42
net inflow <u>7/</u>		156	Apr-Jul	376	364	43

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir and diversion in Sharp Ditch. 2/ Combined discharge of Big Wood River and Big Wood Slough corrected for diversions. 3/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Anderson Ranch Reservoir. 6/ Corrected for storage in Wild Horse Reservoir. 7/ From U.S.B.R. records of inflow.

STREAMFLOW FORECASTS^c (1,000 Ac. Ft.)

STREAM and/or FORECAST POINT		FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	1948-1962 AVERAGE	THIS YEAR AS PERCENT OF AVERAGE
<u>Payette River</u>						
Horseshoe Bend <u>1/</u>	(nr)	1600	Apr-Sep	2810	1988	80
Banks <u>2/</u>	(nr)	830	Apr-Jul	1505	1036	80
<u>North Fork</u>						
Cascade <u>3/</u>	(at)	470	Apr-Sep	798	589	80
Banks <u>3/</u>	(nr)	600	Apr-Sep	1071	760	79
<u>Weiser River</u>						
Weiser ab. Crane Creek <u>4/</u>		450	Mar-Sep	615	554	81
<u>Salmon River</u>						
Whitebird	(at)	5800	Apr-Sep	10254	6949	83
Challis	(nr)	750	Apr-Sep	1512	900	83
		650	Apr-Jul	1286	788	82
<u>Clearwater River</u>						
Spalding	(at)	7800	Apr-Sep	10160	9215	85
Kamiah	(at)	4360	Apr-Sep	--	5130	85
		4180	Apr-Jul	--	4915	85
<u>North Fork</u>						
Ahsahka	(nr)	2890	Apr-Sep	--	3400	85
		2730	Apr-Jul	--	3199	85
<u>GREAT BASIN</u>						
<u>BEAR RIVER</u>						
Harer	(at)	157	Apr-Sep	511	258	61
<u>Montpelier Creek</u>						
Montpelier	(nr)	8.8	Apr-Sep	21.4	11.8	75
<u>Cub River</u>						
Preston	(nr)	38	Apr-Sep	68	49	78

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth.

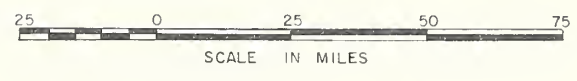
VALLEY PRECIPITATION 1/
 Division Averages and Departures
 In Inches

DRAINAGE DIVISIONS	Fall		Winter	
	Sep.-Oct.-Nov. 1965		Dec. 1965-Mar. 1966	
	Observed	Departure <u>2/</u>	Observed	Departure <u>2/</u>
Kootenai, Canada & U. S.	6.25	-0.67	13.02	-1.01
Flathead	4.72	-0.87	8.10	-1.77
Clark Fork	3.36	+0.51	3.26	-1.15
Pend Oreille-Spokane	5.44	-3.50	14.87	-3.74
Upper Snake	4.93	+0.23	6.61	-4.60
SNAKE RIVER PLAIN	1.72	-0.27	2.71	-1.88
Salmon-Payette-Boise	3.17	-1.24	6.97	-4.70
Clearwater	4.46	-2.58	11.45	-2.08
Southeastern Oregon	2.39	+0.19	2.48	-3.16

1/ Preliminary analysis by U. S. Weather Bureau from data furnished by Meterological Service of Canada and U. S. Weather Bureau.

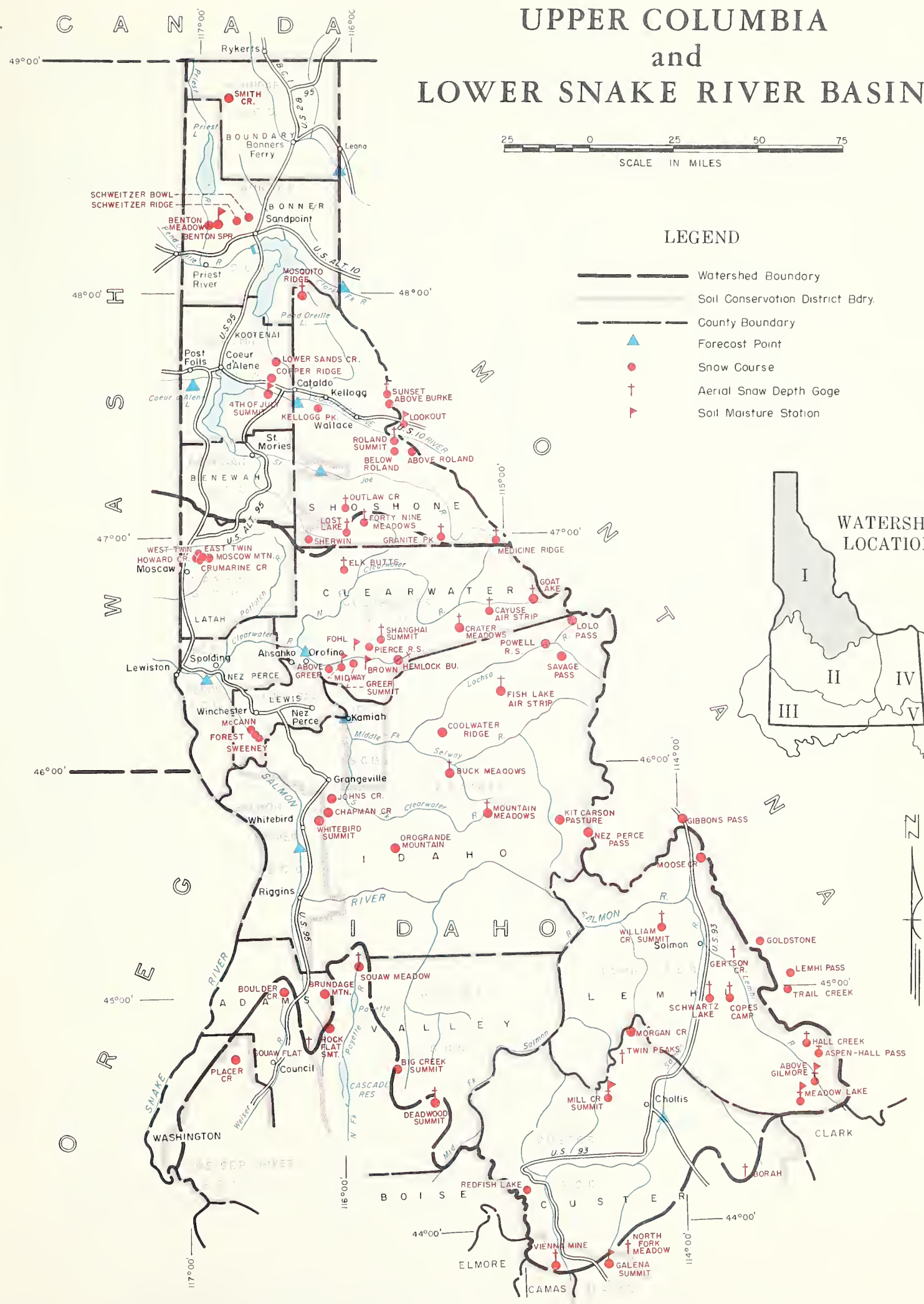
2/ Departure from 15-year (1948-62) drainage division average.

UPPER COLUMBIA and LOWER SNAKE RIVER BASINS



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Snow Depth Gage
- ▼ Soil Moisture Station



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR ANO	LONG.	

UPPER COLUMBIA BASIN

KOOTENAI RIVER

16A1	I	Smith Creek	29	64N	3W	4800
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PEND OREILLE - PRIEST RIVER

16A2	I	Benton Meadow	27	58N	4W	2344
16A3M	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100

SPOKANE RIVER

15B8	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6 & 7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2M	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4A	I	Mosquito Ridge	5	54N	2E	5110
15B12A	I	Outlaw Creek	19	44N	5E	3750
15B5A	I	Roland Summit	26	47N	6E	5200
16C1	I	Sherwin	28 & 33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600

LOWER SNAKE BASIN

PALOUSE RIVER

16C6	I	Crumarine Creek	24	40N	5W	3500
16C3	I	East Twin	13	40N	5W	4000
16C5	I	Howard Creek	14	40N	5W	3500
16C2	I	Moscow Mountain	18	40N	4W	4800
16C4	I	West Twin	14	40N	5W	4200

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR ANO	LONG.	

CLEARWATER RIVER

16C11	I	Above Greer	14	35N	2E	1240
16C14m	I	Brown	11	35N	3E	3100
15D5A	I	Buck Meadows	26	31N	8E	5600
15C3A	I	Cayuse Airstrip	4	38N	11E	3700
15C7	I	Coolwater Mountain	32	33N	8E	6200
15C9A	I	Crater Meadows	2	37N	9E	6100
16C15A	I	Elk Butte	6	40N	3E	5550
15C2A	I	Fish Lake Airstrip	35	35N	11E	5000
15C8m	I	Fohl	16	36N	5E	3450
16C9	I	Forest	1	32N	3W	4550
15B3A	I	Forty-nine Meadows	6	43N	5E	5000
14C9A	I	Goat Lake	4	38N	13E	6600
16C13	I	Greer Summit	13	35N	2E	3000
15C6A	I	Hemlock Butte	7	36N	7E	5500
14D3	I	Kit Carson Pasture	4	27N	16E	5020
14C5	I	Lolo Pass	16	38N	15E	5230
15B14A	I	Lost Lake	16	43N	4E	6000
16C8	I	McCann	25	33N	3W	4300
16C12M	I	Midway	14	35N	2E	2200
15D6A	I	Mountain Meadows	9	27N	10E	6300
14D1	M	Nez Perce Pass	25	1S	24W	6575
15D4	I	Orogrande Mountain	24	27N	6E	7800
15C5	I	Pierce Ranger Station	2	36N	5E	3170
14C6	I	Powell Ranger Station	33	37N	14E	4230
14C4	I	Savage Pass	18	36N	15E	6600
15C4A	I	Shanghai Summit	7	37N	6E	4600
16C10	I	Sweeney	1	32N	3W	4435

SALMON RIVER

13E19MA	I	Above Gilmore	13	13N	26E	8200
13E21A	I	Aspen-Hall Pass	6	16N	28E	8110
15E2	I	Big Creek Summit	24	15N	5E	6600
13E8a	I	Borah	21	10N	23E	8250
16D6	I	Brundage Mountain	7	19N	3E	7700
16D2	I	Chapman Creek	16	29N	2E	4215
13E17A	I	Copes Camp	36	18N	22E	7500
13D17a	I	Gertson Creek	22	22N	23E	8050
13D2	M	Gibbons Pass	4	2S	19W	7100
13D9	M	Gold Stone	11	8S	16W	8100
13E20A	I	Hall Creek	1	16N	27E	7560
16D3	I	Johns Creek	9	29N	2E	3805
13E1	M	Lemhi Pass	9	10S	15W	7480
13E18MA	I	Meadow Lake	24	13N	26E	9100
14E1MA	I	Mill Creek Summit	8	13N	17E	8870
13D16	I	Moose Creek	22 & 26	27N	21E	6200
14E4	I	Morgan Creek	32	18N	19E	7580
14E2	I	Redfish Lake	3	9N	13E	6600
13E16A	I	Schwartz Lake	34	18N	22E	8500
13E2	M	Trail Creek	15	10S	15W	7090
14E3a	I	Twin Peaks	28	15N	17E	10300
14F4A	I	Vienna Mine	32	6N	14E	8900
16D5	I	Whitebird Summit	17	29N	2E	4390
14D4	I	Williams Creek Summit	34	21N	20E	7800

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7 m	SOIL MOISTURE STATION ONLY.
10J7 a	AERIAL MARKER ONLY.
10J7 p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (inches)	WATER CONTENT (inches)	WATER CONTENT (inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

UPPER COLUMBIA RIVER BASINKOOTENAI RIVER

Smith Creek	16A1	4800	3/31	110	47.4	51.3	50.9
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PEND OREILLE - PRIEST RIVER

Benton Meadow	16A2	2344	4/1	8	2.8	8.1	3.3
Benton Spring	16A3	4900	4/1	48	19.0	19.7	22.9
#Mosquito Ridge	16A4	5110	3/22	105	39.2	41.3	--
#Mosquito Ridge (A)	16A4	5110	3/30	99	39.0	42.2	41.2
Schweitzer Bowl	16A6	4500	3/28	83	34.2	33.0	--
Schweitzer Ridge	16A5	6100	3/28	127	48.8	48.8	--

SPOKANE RIVER

Above Burke	15B8	4100	3/23	71	26.7	27.0	22.5
Above Roland	15B7	4350	3/22	85	29.7	34.1	32.3
Below Roland	15B6	3770	3/22	43	15.2	14.7	15.5
Copper Ridge	16B2	4800	3/30	71	29.4	33.4	33.3
#Forty-nine Meadows	15B3	5000	3/28	80	34.7	41.6	39.4
Fourth of July Summit	16B3	3100	3/31	23	8.2	10.2	11.2
Granite Peak	15B13	6000	3/28	114	47.0	54.4	--
Kellogg Peak	16B5	5560	3/22	100	36.1	35.1	32.3
Kellogg Peak (A)	16B5	5560	3/30	85	32.4	37.6	35.8*
Lookout	15B2	5250	3/23	103	38.5	47.0	36.5
Lookout	15B2	5250	3/31	87	34.3	41.0	40.5
#Lost Lake	15B14	6000	3/28	127	53.6	76.3	--
Lower Sands Creek	16B1	3400	3/30	55	20.2	23.5	22.7*
Medicine Ridge	15B4	6150	3/28	112	46.8	55.2	--
Mosquito Ridge	16A4	5110	3/22	105	39.2	41.3	--
Mosquito Ridge (A)	16A4	5110	3/30	99	39.0	42.2	41.2
Outlaw Creek	15B12	3750	3/28	48	18.0	14.9	--
Roland Summit	15B5	5200	3/22	96	34.9	42.2	40.3
Roland Summit (A)	15B5	5200	3/30	67	27.7	40.7	44.7*
Sherwin	16C1	3200	4/3	28	11.3	20.4	15.8
Sunset	15B9	5600	3/22	105	36.2	37.5	32.7
Sunset (A)	15B9	5600	3/30	97	35.3	38.4	36.3*

LOWER SNAKE RIVER BASINPALOUSE RIVER

Crumarine Creek	16C6	3500	4/2	0	0.0	4.3	4.7*
East Twin	16C3	4000	4/2	30	13.0	11.3	12.3*
Howard Creek	16C5	3500	4/2	0	0.0	1.7	0.0*
Moscow Mountain	16C2	4800	4/2	50	18.9	19.1	21.2*
West Twin	16C4	4200	4/2	23	9.1	11.9	11.2*

(b) 1948-62, 15 year period. # Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

CLEARWATER RIVER

Above Greer	16C11	1240	3/31	0	0.0	0.0	--
Buck Meadows	15D5	5600	3/29	62	25.8	34.9	--
Cayuse Airstrip	15C3	3700	3/28	29	11.3	13.8	11.3*
Coolwater Mountain	15C7	6200	3/29	64	25.5	37.8	--
Coolwater Mountain (R)	15C7	6200	4/1	--	25.7	--	--
Crater Meadows	15C9	6100	3/28	97	40.8	54.8	--
Crooked Fork	--	3800	3/28	35	14.2	--	--
Elk Butte	16C15	5550	3/28	93	38.2	45.9	--
Fish Lake Airstrip	15C2	5000	3/29	93	39.0	54.4	42.9*
Forest	16C9	4550	3/28	29	10.9	8.8	6.2*
Forty-nine Meadows	15B3	5000	3/28	80	34.7	41.6	39.4
Goat Lake	14C9	6600	3/28	110	46.0	59.2	--
#Granite Peak	15B13	6000	3/28	114	47.0	54.4	--
Greer Summit	16C13	3000	3/31	0	0.0	0.0	--
Hemlock Butte	15C6	5500	3/28	111	47.1	60.0	--
Hemlock Butte (R)	15C6	5500	4/1	--	43.8	--	--
Hemlock Butte (SP)	15C6	5500	4/1	--	41.5	--	--
Kit Carson Pasture	14D3	5020	3/28	19	6.6	12.6	9.0
Lolo Pass	14C5	5230	3/28	68	27.5	37.9	36.4*
Lost Lake	15B14	6000	3/28	127	53.6	76.3	--
McCann	16C8	4300	3/28	32	11.6	7.7	6.3*
#Medicine Ridge	15B4	6150	3/28	112	46.8	55.2	--
Midway	16C12	2200	3/31	0	0.0	0.0	--
Mountain Meadows	15D6	6300	3/29	50	19.8	31.3	--
#Nez Perce Pass Mont.	14D1	6575	3/28	37	13.1	23.3	18.3
Orogrande Mountain	15D4	7800	3/29	89	34.5	56.8	--
Pierce Rgr. Sta.	15C5	3170	3/28	35	13.1	13.0	11.0*
Powell Rgr. Sta.	14C6	3650	3/28	32	12.7	16.8	13.8*
Savage Pass	14C4	6600	3/29	65	25.9	32.1	30.5*
Shanghai Summit	15C4	4600	3/28	51	21.6	32.4	31.6
Sweeney	16C10	4435	3/28	32	11.0	9.1	--

SALMON RIVER

Big Creek Summit	15E2	6600	4/1	75	30.6	49.4	38.5
Borah (A)	13E8	8250	3/27	15	3.3	7.9	--
#Boulder Creek	16D1	5500	3/28	60	23.1	33.4	25.2
Brundage Mountain	16D6	7700	3/28	110	43.2	58.2	--
Chapman Creek	16D2	4215	3/30	12	4.8	5.6	1.4*
#Deadwood Summit	15E4	7000	3/29	96	38.4	60.0	48.5
#Galena Summit	14F12	8795	3/28	54	18.3	39.4	24.3*
#Gibbons Pass Mont.	13D2	7100	3/31	43	15.4	30.5	25.0
Johns Creek	16D3	3805	3/30	3	1.1	0.0	0.8*
Mill Creek Summit	14E1	8870	3/30	48	17.5	37.2	23.5*
Moose Creek	13D16	6200	3/28	32	10.4	24.6	17.1
Morgan Creek Summit	14E4	7580	3/27	35	10.2	23.6	--
Redfish Lake	14E2	6600	3/27	25	6.5	17.2	--

(b) 1948-62, 15 year period. # Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
#Rock Flat Summit	16E1	5200	3/28	53	16.4	23.1	19.9
#Squaw Flat (A)	16E5	6230	3/31	72	29.4	32.6	--
#Squaw Meadow (A)	15D2	5800	3/31	85	34.7	36.5	41.0
Twin Peaks (A)	14E3	10300	3/27	61	22.3	39.8	--
Vienna Mine	14F4	8900	3/28	73	27.7	52.3	37.1*
Whitebird Summit	16D5	4390	3/30	20	7.4	9.6	6.4*
Williams Creek Summit	14D4	7800	3/30	26	8.3	22.4	14.9

Lemhi River

Above Gilmore	13E19	8200	3/29	27	7.5	17.5	--
Aspen-Hall Pass	13E21	8110	3/28	30	7.2	12.3	--
Copes Camp	13E17	7500	3/28	25	6.5	11.5	--
Gertson Creek (A)	13D17	8050	3/30	20	4.8	15.2	--
Hall Creek	13E20	7560	3/28	14	3.1	6.8	--
Meadow Lake	13E18	9100	3/29	40	12.5	34.1	--
Schwartz Lake	13E16	8500	3/28	33	8.6	19.2	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	3/31	10.3	10.1	10.1
Lookout	5250	48	11.0	3/31	8.1	8.7	7.5
<u>CLEARWATER RIVER</u>							
Brown	3100	30	6.7	3/31	5.6	5.6	5.6
Fohl	3450	48	13.3	3/31	9.9	10.3	10.9
Midway	2200	36	6.1	3/31	5.1	5.0	4.9
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	8.4	3/30	4.8	2.9	4.7
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	3/29	2.8	2.3	2.7
Meadow Lake	9100	48	4.4	3/29	1.9	2.0	2.2

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

MIDDLE SNAKE RIVER BASIN - NORTHSIDELITTLE LOST RIVER

Fairview Guard Sta.	13E5	5850	3/31	T	T	3.5	4.4*
Lost-Garfield	13E3	5700	3/31	0	0.0	5.0	2.7*
Moonshine	13E6	7250	3/31	19	6.2	18.0	10.9*
Sawmill Canyon	13E4	6000	3/31	14	4.7	13.0	8.0*
Wet Creek Summit	13E7	8175	3/28	28	9.5	24.9	11.2*

BIG LOST RIVER

Bear Canyon	13F3	8600	3/28	48	15.7	31.8	17.6*
Cherry Creek Pass (A)	13F13	8900	3/28	5	1.7	2.5	--
Copper Basin	13F2	8000	3/28	26	8.4	20.0	9.1
Iron Bog	13F11	7650	3/29	32	11.6	24.4	--
Leadbelt	13F12	6800	3/29	23	7.6	16.7	--
Lost-Wood Divide (A)	14F3	8750	3/28	59	20.0	35.8	24.3*
North Fork Meadow (A)	14F15	8150	3/28	32	10.3	20.5	--
Slickrock (A)	13F14	8640	3/28	50	16.4	35.0	--
Stickney Mill	14F2	7500	3/28	27	9.1	17.9	9.1
Twin Rocks (A)	13F15	8100	3/28	39	14.1	--	--
White Knob	13F1	7700	3/28	19	6.0	14.0	9.1*

FISH CREEK

Iron Mine Creek	13F10	6370	3/29	24	7.3	15.6	10.5*
Telfer Ranch	13F6	6000	3/29	16	7.0	13.2	5.8*

LITTLE WOOD RIVER

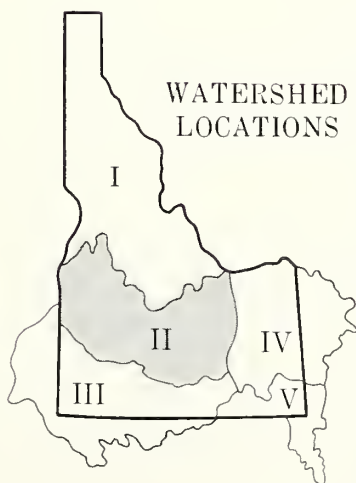
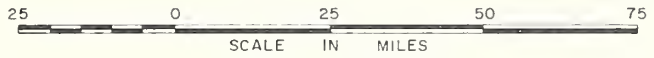
Garfield Rgr. Sta.	13F4	6554	3/31	21	7.9	17.2	10.5*
Muldoon	13F5	6300	4/1	16	5.6	12.0	7.1*
Porcupine (A)	14F14	8350	3/28	48	16.0	26.8	--
Swede Peak	13F9	7500	3/31	43	14.3	29.6	17.4*

BIG WOOD RIVER

Camas Creeks Div. (A)	15F9	5720	3/31	10	2.8	6.4	--
#Couch Summit	14F10	6950	4/1	44	14.9	24.3	20.0
Dollarhide Summit (A)	14F8	8620	3/28	48	16.3	40.3	27.4*
Galena	14F1	7500	3/28	43	14.6	31.8	19.5
Galena Summit	14F12	8795	3/28	54	18.3	39.4	24.3*
Graham Ranch	14F5	6200	3/28	35	11.5	21.6	13.4
#Lost-Wood Divide (A)	14F3	8750	3/28	59	20.0	35.8	24.3*
Mascot Mine	14F7	7900	4/2	28	8.4	23.3	15.7
Mount Baldy	14F9	9000	4/2	50	15.3	34.2	21.8*
Soldier Rgr. Sta.	14F11	6100	3/30	21	8.7	13.2	11.3

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

MIDDLE SNAKE RIVER BASIN NORTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Snow Depth Gage
- ▼ Soil Moisture Station

INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.	NO.	STATE	NAME	SEC. LAT.	TWP. OR ANO	RGE. LONG.	ELEV.
MIDDLE SNAKE RIVER BASIN NORTHSIDE							BOISE RIVER						
LITTLE LOST RIVER							15F4A	I	Atlanta Summit	29	5N	10E	7500
13E5M	I	Fairview Guard Station	27	12N	26E	6750	15F2M	I	Bad Bear	35	7N	6E	5500
13E3	I	Lost-Garfield	3	11N	26E	6600	16F4	I	Bogus Basin	32	5N	3E	5360
13E6	I	Moonshine	31	13N	26E	7450	16F5m	I	Bogus Basin Road	36	5N	2E	4830
13E4	I	Sawmill Canyon	17	12N	26E	6900	14F10A	I	Couch Summit	9	2N	14E	6950
13E7MA	I	Wet Creek Summit	15	8N	25E	8175	15F10a	I	Danskin	17	1N	7E	5650
BIG LOST RIVER							16F1	I	Deadman Gulch	24	7N	3E	5600
13F3	I	Bear Canyon	26	5N	21E	8600	15E9A	I	Jackson Peak	7	8N	9E	7000
13F13a	I	Cherry Creek Pass	7	5N	23E	8900	15F1M	I	Moore's Creek Summit	19	7N	7E	6100
13F2A	I	Copper Basin	24	6N	21E	8000	15F6	I	Prairie	13	2N	7E	4900
13F11	I	Iron Bog	23	4N	22E	7650	15F3A	I	Road Creek	5	5N	8E	5550
13F12	I	Leadbelt	34	4N	23E	6800	15F5A	I	Trinity Mountain	7	3N	9E	7400
14F3A	I	Lost Wood Divide	19	6N	19E	8750	15F11a	I	Willow Creek Cabin	26	1N	6E	4710
14F15a	I	North Fork Meadow	20	7N	18E	8150	CANYON CREEK						
13F14.	I	Slickrock	17	4N	22E	8640	15F7	I	Bennett Mountain	7	2S	9E	6650
14F2A	I	Stickney Mill	9	6N	19E	7500	15F8	I	Dixie Hill	13	2S	8E	5230
13F15a	I	Twin Rocks	22	4N	22E	8100	15F12a	I	Little Camas Flat	21	1S	9E	4950
13F1	I	White Knob	25	7N	23E	7700	15F13a	I	Long Tom	19	1S	8E	4550
BIG WOOD RIVER							PAYETTE RIVER						
15F9a	I	Camas Creeks Divide	11	2S	9E	5720	16F2M	I	Bogus Basin	16	5N	3E	6120
14F8A	I	Dollarnide Summit	16	3N	15E	8620	15E8	I	Cozy Cove	19	11N	7E	5900
14F1M	I	Galena	3	6N	15E	7300	15E3	I	Crawford Ranger Station	21	14N	4E	4800
14F12M	I	Galena Summit	33	7N	15E	8795	15E10	I	Deadwood Airstrip	8	11N	7E	5440
14F5	I	Graham Ranch	10	5N	17E	6200	15E7	I	Deadwood Dam	8	11N	7E	5290
14F7	I	Mascot Mine	8	4N	20E	7900	15E4A	I	Deadwood Summit	23	14N	7E	7000
14F9	I	Mount Baldy	26	4N	17E	9000	16E7a	I	Greenfield Flat	1	13N	2E	7370
14F11	I	Soldier Ranger Station	19	2N	14E	6100	16E4	I	High Valley Summit	9	10N	2E	5170
LITTLE WOOD RIVER							15E1	I	Lake Fork	3	18N	4E	6000
13F4M	I	Garfield Ranger Station	11	3N	21E	6554	16E1	I	Rock Flat Summit	1	18N	2E	5200
13F5	I	Muldoon	25	3N	21E	6300	15E5A	I	Silver Creek Ridge	24	12N	5E	5700
14F13m	I	Niggerhead	26	2N	20E	5450	15D2A	I	Squaw Meadow	5	21N	4E	5800
14F14a	I	Porcupine	30	4N	20E	8350	16E3	I	Tripod Summit	17	11N	3E	5200
13F9A	I	Swede Peak	4	3N	21E	7500	WEISER RIVER						
FISH CREEK							16D1	I	Boulder Creek	15	20N	1W	5500
13F10	I	Iron Mine Creek	32	3N	23E	6370	16E6a	I	Mica Ridge	15	15N	2E	6800
13F6	I	Telfer Ranch	12	2N	22E	6000	16E2	I	Placer Creek	15 & 16	17N	3W	6000
							16E5a	I	Squaw Flat	32	17N	2E	6230

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7 m	SOIL MOISTURE STATION ONLY.
10J7 a	AERIAL MARKER ONLY.
10J7 p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

CANYON CREEK

Bennett Mountain	15F7	6650	3/31	33	9.2	22.6	--
#Camas Creeks Div. (A)	15F9	5720	3/31	10	2.8	6.4	--
#Danskin (A)	15F10	5650	3/31	11	3.1	13.1	--
Dixie Hill	15F8	5230	3/31	0	0.0	--	--
Little Camas Flat (A)	15F12	4950	3/31	0	0.0	2.9	--
Long Tom (A)	15F13	4550	3/31	0	0.0	T	--
#Willow Creek Cabin (A)	15F11	4710	3/31	0	0.0	T	--

BOISE RIVER

Atlanta Summit	15F4	7500	3/29	77	27.0	49.1	36.6
Bad Bear	15F2	5500	3/29	27	9.8	23.0	--
#Bennett Mountain	15F7	6650	3/31	33	9.2	22.6	--
#Bogus Basin	16F2	6120	4/3	40	14.9	30.9	25.1
Bogus Basin Road	16F4	5360	4/3	0	0.0	1.4	2.2*
#Camas Creeks Div. (A)	15F9	5720	3/31	10	2.8	6.4	--
Couch Summit	14F10	6950	4/1	44	14.9	24.3	20.0
Danskin (A)	15F10	5650	3/31	11	3.1	13.1	--
Deadman Gulch	16F1	5200	3/30	34	11.5	22.6	17.4*
#Dixie Hill	15F8	5230	3/31	T	T	--	--
#Dollarhide Summit (A)	14F8	8620	3/28	48	16.3	40.3	27.4*
Jackson Peak (A)	15E9	7000	3/31	75	27.8	46.2	32.6*
#Little Camas Flat (A)	15F12	4950	3/31	0	0.0	2.9	--
#Long Tom (A)	15F13	4550	3/31	0	0.0	T	--
Moore's Creek Summit	15F1	6100	3/29	69	25.6	46.0	34.0
Prairie	15F6	5600	3/28	T	T	2.0	4.8*
Road Creek	15F3	6800	3/29	20	7.6	14.9	12.1*
#Soldier Rgr. Sta.	14F11	6100	3/30	21	8.7	13.2	11.3
Trinity Mountain	15F5	7400	3/29	90	36.1	65.2	46.2
Vienna Mine	14F4	8900	3/28	73	27.7	52.3	37.1*
Willow Creek Cabin (A)	15F11	4710	3/31	0	0.0	T	--

PAYETTE RIVER

#Big Creek Summit	15E2	6600	4/1	75	30.6	49.4	38.5
Bogus Basin	16F2	6120	4/3	40	14.9	30.9	25.1
#Brundage Mountain	16D6	7700	3/28	110	43.2	58.2	--
Cozy Cove	15E8	5900	3/26	42	14.9	20.8	17.2
Crawford Rgr. Sta.	15E3	4800	4/1	15	5.9	8.4	6.9*
#Deadman Gulch	16F1	5200	3/30	34	11.5	22.6	17.4*
Deadwood Airstrip	15E10	5440	3/26	44	15.3	19.0	16.1*
Deadwood Dam	15E7	5500	3/26	47	16.4	20.3	19.1
Deadwood Summit	15E4	7000	3/29	96	38.4	60.0	48.5
Greenfield Flat (A)	16E7	7370	3/31	86	35.1	55.4	--
High Valley Summit	16E4	5170	3/31	28	9.1	16.4	--
#Jackson Peak (A)	15E9	7000	3/31	75	27.8	46.2	32.6*
Lake Fork	15E1	6000	3/28	41	13.4	21.0	17.3

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
#Mica Ridge (A)	16E6	6800	3/31	78	31.8	42.1	--
Rock Flat Summit	16E1	5200	3/28	53	16.4	23.1	19.9
Silver Creek Ridge	15E5	5700	3/29	41	14.5	19.2	--
#Squaw Flat (A)	16E5	6230	3/31	72	29.4	32.6	--
Squaw Meadow (A)	15D2	5800	3/31	85	34.7	36.5	41.0
Tripod Summit	16E3	5200	3/31	36	12.5	23.1	--

WEISER RIVER

Boulder Creek	16D1	5500	3/28	60	23.1	33.4	25.2
Boulder Creek (New)	16D1	5500	3/28	55	21.2	--	--
Mica Ridge (A)	16E6	6800	3/31	78	31.8	42.1	--
Placer Creek	16E2	6000	3/29	46	14.6	17.8	19.2
Squaw Flat (A)	16E5	6230	3/31	72	29.4	32.6	--

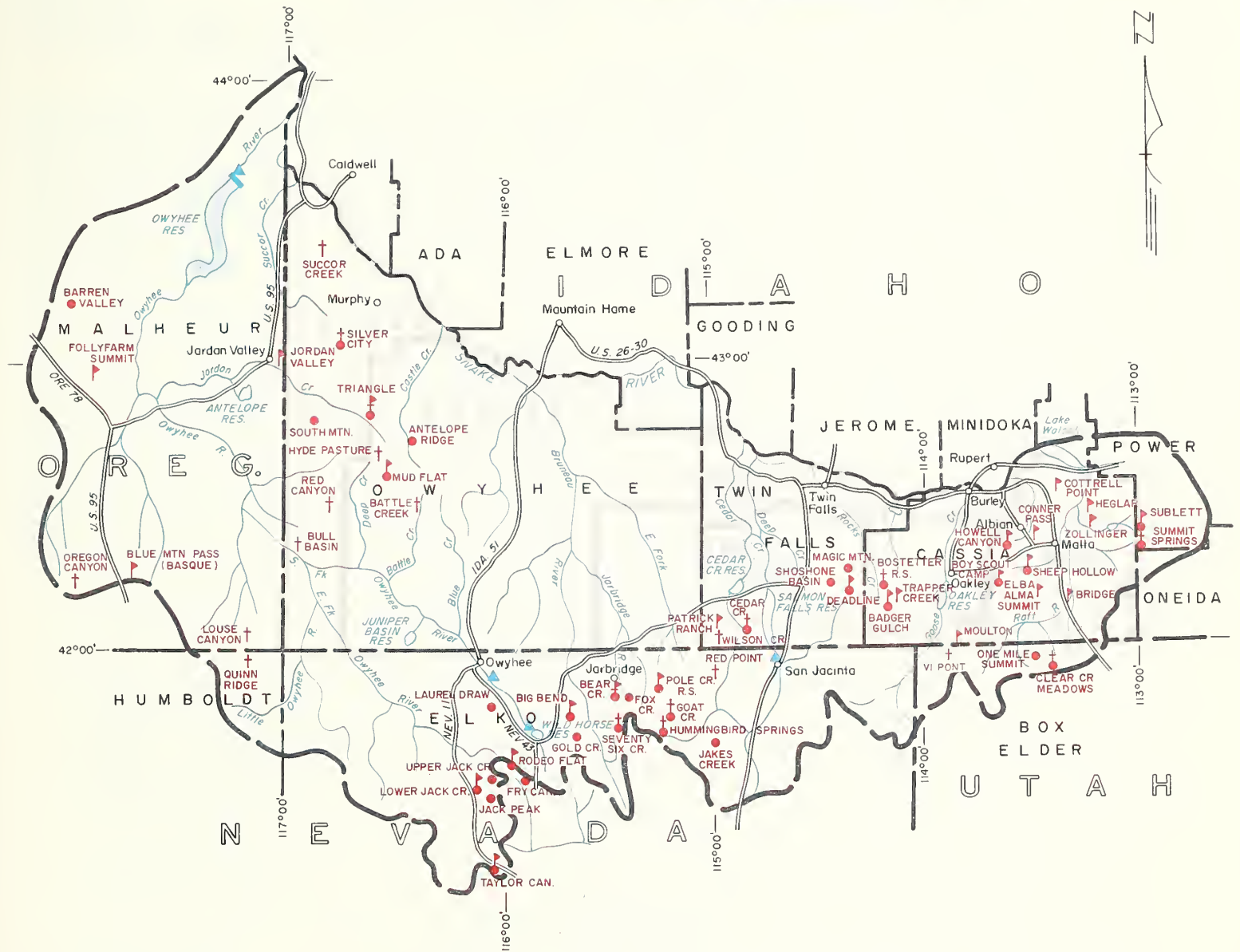
SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>LITTLE WOOD RIVER</u>							
Garfield R. S.	6554	36	5.2	3/31	4.2	4.6	4.7
<u>BIG WOOD RIVER</u>							
Galena	7300	48	10.1	3/28	7.1	--	7.3
Galena Summit	8795	48	5.8	3/28	1.8	1.5	1.5
<u>BOISE RIVER</u>							
Bad Bear	5500	72	6.3	3/29	5.6	5.9	5.5
Bogus Basin Road	4830	48	7.1	4/3	5.6	6.0	6.1
Moore's Creek Summit	6100	60	8.8	3/29	7.5	--	7.5

(b) 1948-62, 15 year period. # Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

MIDDLE SNAKE RIVER BASIN SOUTHSIDE

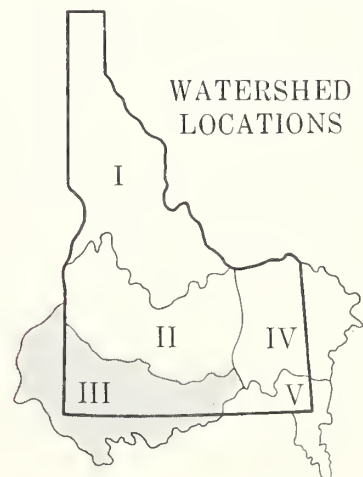
25 0 25 50 75
SCALE IN MILES



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Snow Depth Gage
- ▼ Soil Moisture Station

WATERSHED LOCATIONS



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

13G2A	I	Boy Scout Camp	12	14S	23E	7600
13G11m	I	Bridge	7	15S	27E	4750
13H2A	U	Clear Creek Meadows	26	14N	14W	9050
13G6m	I	Conner Pass	35	12S	25E	5700
13G7m	I	Cottrell Point	24	10S	25E	4490
13G10m	I	Elba-Almo Summit	29	14S	25E	5690
13G8m	I	Heglar	19	11S	28E	4590
13G1M	I	Howell Canyon	2	13S	24E	8000
13G12m	I	Moulton	27	16S	23E	5950
13H1	U	One Mile Summit	19	14N	14W	7330
13G5M	I	Sheep Hollow	4	14S	24E	6200
13G3M	I	Sublett	8	12S	30E	6000
13G4A	I	Summit Springs	15	13S	30E	8500
13G9m	I	Zollinger	2	13S	28E	5000

GOOSE - TRAPPER CREEK

14G3M	I	Badger Gulch	24	15S	19E	6660
14G1A	I	Bostetter Ranger Station	35	14S	19E	7500
14G7m	I	Trapper Creek	2	15S	20E	5300
13H3a	U	Vi Pont	17	14N	17W	7670

SALMON FALLS CREEK

14G5A	I	Cedar Creek	25	15S	13E	7000
14G4M	I	Deadline	25	14S	18E	6900
15H13A	N	Goat Creek	31	46N	60E	8800
14H1	N	Jakes Creek	6	42N	62E	7000
14G2	I	Magic Mountain	14	14S	18E	6700
15G1m	I	Patrick Ranch	23	15S	12E	5720
15H18a	N	Red Point	15	47N	61E	7940
14G6	I	Shoshone Basin	24	14S	17E	5740
15G2a	I	Wilson Creek	24	16S	12E	7500

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

BRUNEAU RIVER

15H1MA	N	Bear Creek	31	46N	58E	7800
15H2	N	Fox Creek	33	46N	58E	6800
15H15A	N	Hummingbird Springs	6	45N	60E	8945
15H14M	N	Pole Creek Ranger Station	13	46N	59E	8330

OWYHEE RIVER

16G6	I	Antelope Ridge	20	8S	1E	5900
18F5	O	Barren Valley	26	27S	38E	4200
16G9a	I	Battle Creek	10	11S	1E	5700
15H4M	N	Big Bend	30	45N	56E	6700
17G2m	O	Blue Mountain Pass (Basque)	4	38S	42E	5290
16G10a	I	Bull Basin	29	12S	6W	5600
18G3m	O	Folly Farm Summit	8	30S	38E	4450
15H7	N	Fry Canyon	31	43N	54E	6700
15H5	N	Gold Creek	31	45N	56E	6600
16G5a	I	Hyde Pasture	SE 1/4 31	8S	2W	5800
16H4	N	Jacks Peak	28	42N	53E	8420
17G3m	O	Jordan Valley	2	30S	46E	4390
16H5	N	Laurel Draw	20	45N	53E	6700
17G4a	O	Louse Canyon	27	40S	44E	6440
16H1M	N	Lower Jack Creek	18	42N	53E	6800
16G7M	I	Mud Flat	34	9S	2W	5500
17G5a	O	Oregon Canyon	9	40S	40E	6950
17H6a	N	Quinn Ridge	9	47N	41E	6300
16G11a	I	Red Canyon	32	11S	4W	6650
15H6M	N	Rodeo Flat	36	43N	53E	6800
16F3A	I	Silver City	6	5S	3W	6400
16G1	I	South Mountain	35	7S	5W	6340
16F6a	I	Succor Creek	25	3S	5W	6100
15H9M	N	Taylor Canyon	35	39N	53E	6200
16G4MA	I	Triangle	N 1/2 25	7S	3W	5150
16H2	N	Upper Jack Creek	9	42N	53E	7250

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7M	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7 m	SOIL MOISTURE STATION ONLY.
10J7 a	AERIAL MARKER ONLY.
10J7 p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

MIDDLE SNAKE RIVER BASIN - SOUTHSIDERAFT RIVER

Boy Scout Camp	13G2	7600	3/30	37	12.8	16.6	16.9*
Clear Creek Meadows	13H2	9050	3/30	52	18.4	25.8	--
Howell Canyon	13G1	8000	3/29	42	16.9	31.8	27.6*
One Mile Summit	13H1	7330	3/30	23	7.5	9.3	--
Sheep Hollow	13G5	6200	3/29	10	3.8	2.8	--
Sublett	13G3	6000	3/29	23	7.7	11.1	11.4
Summit Springs	13G4	8500	3/29	14	5.8	9.5	9.6*

GOOSE CREEK

Badger Gulch	14G3	6660	3/29	27	8.4	12.6	14.3
Bostetter Rgr. Sta.	14G1	7500	3/28	34	12.8	23.0	21.0
Vi Pont (A)	13H3	7670	3/29	33	10.0	16.0	--

SALMON FALLS CREEK

#Bear Creek	15H1	7800	3/28	46	16.5	25.7	21.0
Cedar Creek	14G5	7000	3/28	22	6.8	9.8	11.9*
Deadline	14G4	6900	3/28	43	15.4	29.9	24.4*
#Fox Creek	15H2	6800	3/28	22	7.9	10.7	10.9
Goat Creek	15H13	8800	3/28	42	13.9	22.4	19.5*
#Hummingbird Springs	15H15	8945	3/28	53	17.2	30.4	23.0*
Magic Mountain	14G2	6700	3/29	34	11.7	23.7	19.9
#Pole Creek Rgr. Sta.	15H14	8330	3/28	49	16.5	27.1	20.2*
Red Point (A)	15H18	7940	3/28	0	0.0	11.0	--
Wilson Creek	15G2	7500	3/28	30	8.1	14.0	--

BRUNEAU RIVER

Bear Creek	15H1	7800	3/28	46	16.5	25.7	21.0
Fox Creek	15H2	6800	3/28	22	7.9	10.7	10.9
Hummingbird Springs	15H15	8945	3/28	53	17.2	30.4	23.0*
Pole Creek Rgr. Sta.	15H14	8330	3/28	49	16.5	27.1	20.2*
#Seventy-six Creek	15H3	7100	3/28	21	7.3	12.2	14.5*

OWYHEE RIVER

Antelope Ridge	16G6	5900	4/1	0	0.0	2.9	--
Battle Creek (A)	16G9	5700	4/1	0	0.0	0.0	--
#Bear Creek	15H1	7800	3/28	46	16.5	25.7	21.0
Bull Basin (A)	16G10	5600	4/1	0	0.0	0.0	--
#Fox Creek	15H2	6800	3/28	22	7.9	10.7	10.9
Hyde Pasture	16G5	5800	4/1	0	0.0	1.2	--
Mud Flat	16G7	5500	4/1	4	1.4	4.7	4.5*
Red Canyon (A)	16G11	6650	4/1	2	0.7	4.0	--

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

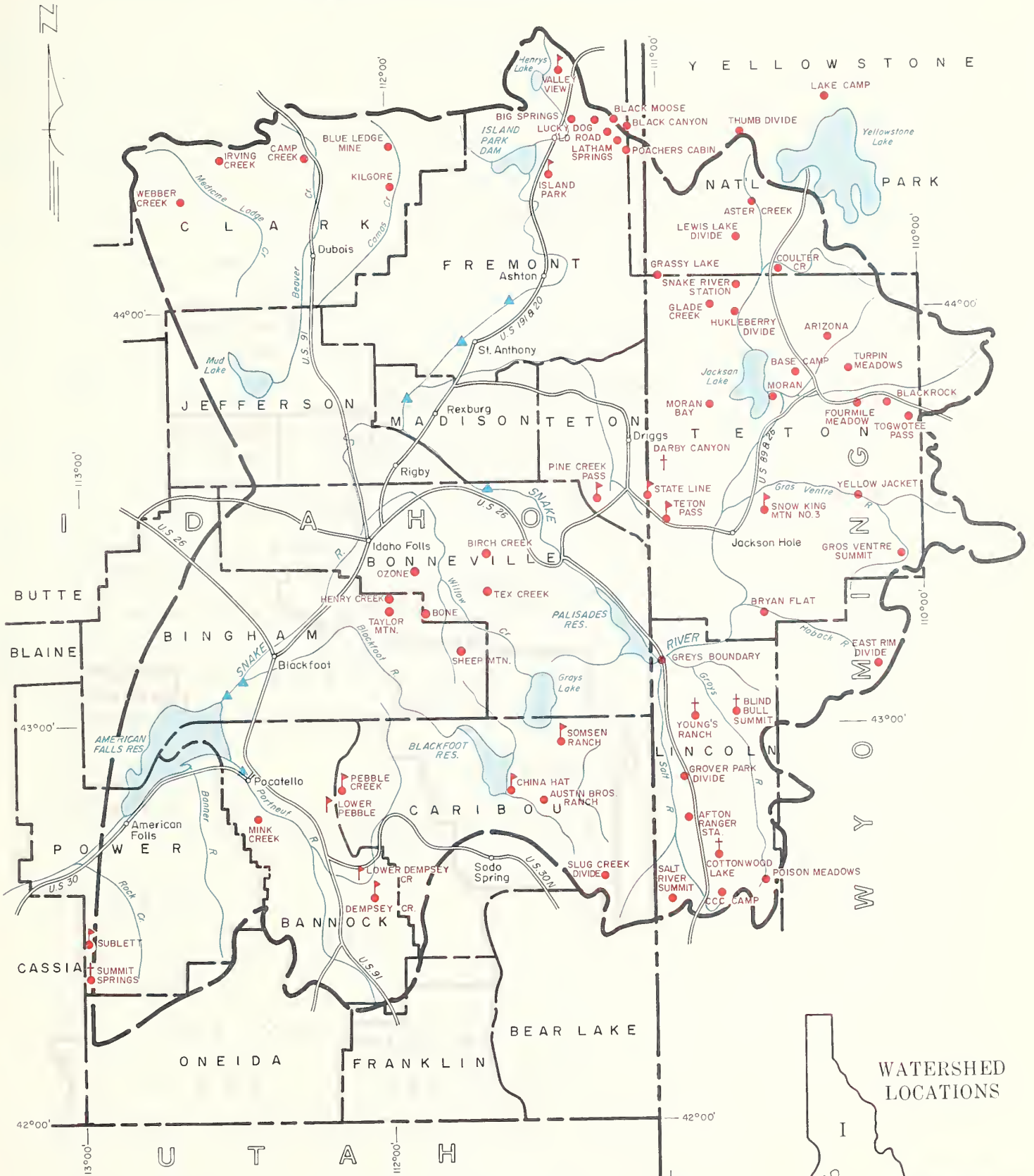
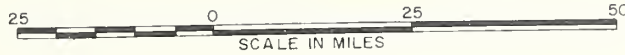
DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
#Seventy-six Creek	15H3	7100	3/28	21	7.3	12.2	14.5*
Silver City	16F3	6400	3/29	31	10.9	19.7	16.3*
South Mountain	16G1	6340	3/30	15	4.9	12.5	13.2*
Succor Creek (A)	16F6	6100	4/1	2	0.7	4.8	--
Triangle	16G4	5150	4/1	0	0.0	0.0	--
Vaught Ranch (A)	16G12	5950	4/1	0	0.0	--	--
War Eagle (A)	16G13	7700	4/1	43	15.0	--	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>RAFT RIVER</u>							
Conner Pass	5700	36	9.8	4/5	9.1	--	--
Howell Canyon	8000	48	11.5	3/29	8.5	5.5	4.1
Sheep Hollow	6200	36	7.5	3/29	6.5	7.0	6.4
Sublett	6000	36	7.0	3/29	6.6	7.5	6.9
<u>GOOSE CREEK</u>							
Badger Gulch	6660	36	7.0	3/29	5.5	6.9	7.3
Trapper Creek	5300	36	10.0	3/29	7.6	8.1	6.4
<u>SALMON FALLS CREEK</u>							
Deadline	6900	36	7.4	3/28	6.7	7.9	--
Patrick Ranch	5720	36	7.7	3/28	4.7	--	--
<u>BRUNEAU RIVER</u>							
Bear Creek	7800	72	16.9	3/28	12.1	14.4	10.2
<u>OWYHEE RIVER</u>							
Mud Flat	5500	48	12.8	4/1	14.4	14.1	11.3
Triangle	5150	48	16.2	11/16	14.4*	--	13.6
*Fall Measurement							

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

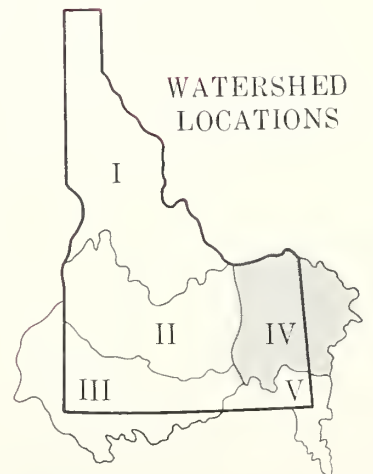
UPPER SNAKE RIVER BASIN



LEGEND

- | | | | |
|--|---------------------------------|--|------------------------|
| | Watershed Boundary | | Snow Course |
| | Soil Conservation District Bdry | | Aerial Snow Depth Gage |
| | County Boundary | | Soil Moisture Station |
| | Forecast Point | | |

WATERSHED LOCATIONS



INDEX to SNOW COURSES

NU.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	NU.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR	ANO	LONG.				LAT.	OR	ANO	LONG.
UPPER SNAKE RIVER BASIN							TETON RIVER						
SNAKE RIVER - WYOMING							10F21a	Wy	Darby Canyon	28	43N	118W	8250
10G4	Wy	Afton Ranger Station	30	32N	118W	6200	11F2M	I	Pine Creek Pass	24	3N	44E	6750
10F1	Wy	Arizona	3	46N	115W	6850	11F1M	I	State Line	32	3N	46E	6400
10E3	Wy	Aster Creek	44°17'		110°38'	7700	10F13M	Wy	Teton Pass	24	41N	118W	3500
10F2	Wy	Base Camp	20	46N	113W	6900	CAMAS - BEAVER CREEK						
10F7	Wy	Blackrock	4	44N	111W	3600	11E11	I	Blue Ledge Mine	27	13N	38E	6700
10G2A	Wy	Blind Bull	6	34N	115W	8750	12E3	I	Camp Creek	21	13N	36E	6800
10F14	Wy	Bryan Flat	9	38N	115W	6250	11E12	I	Kilgore	6	12N	39E	6200
10E3	Wy	Canyon	44°44'		110°30'	7750	MEDICINE LODGE CREEK						
10G7	Wy	CCC Camp	9	29N	118W	7500	12E4	I	Irving Creek	8	13N	33E	7035
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500	12E5	I	Webber Creek	23	12N	32E	6700
10E10	Wy	Coulter Creek	44°09'		110°33'	7600	WILLOW CREEK						
10F17	Wy	East Rim Divide	32	37N	111W	7950	11F3	I	Birch Creek	36	2N	41E	6300
10F6	Wy	Four Mile Meadows	35	45N	112W	7770	11F8	I	Bone	29	1S	40E	6200
10E13	Wy	Glade Creek	12	43N	116W	7200	11F4	I	Ozone	14	1N	39E	5800
10F18	Wy	Greys Boundary	33	37N	118W	5800	11F9	I	Sheep Mountain	32	2S	41E	6300
10F19	Wy	Gros Ventre Summit	36	40N	111W	3750	11F5	I	Tex Creek	6	1S	42E	6700
10G3	Wy	Grover Park Divide	27	33N	118W	7500	SAND CREEK						
10E14	Wy	Huckleberry Divide	32	43N	115W	7300	11F6	I	Henry Creek	7	1S	39E	5650
10E4	Wy	Lake Camp	44°34'		110°24'	7850	11F7	I	Taylor Mountain	19	1S	39E	6500
10E9	Wy	Lewis Lake Divide	44°13'		110°40'	7900	BLACKFOOT RIVER						
10F4	Wy	Moran	8 & 17	45N	114W	6800	11G3	I	Austin Brothers Ranch	28	7S	43E	6450
10F3	Wy	Moran Bay	14	45N	116W	6300	11G2M	I	China Hat	17	7S	42E	6300
10E2	Wy	Norris Basin	44°44'		110°42'	7500	11G5	I	Slug Creek Divide	15	10S	44E	7225
10G6	Wy	Poison Meadows	29	30N	116W	8500	11G1M	I	Somsen Ranch	25	5S	43E	7000
10G8	Wy	Salt River Summit	32	29N	118W	7900	PORTNEUF RIVER						
10E12	Wy	SNAKE RIVER STATION	9	48N	115W	6780	12G5M	I	Dempsey Creek	17	10S	38E	6280
10F20	Wy	Snow King Mountain #3	4	40N	117W	7600	12G7m	I	Lower Dempsey	5	10S	38E	5210
10E5	Wy	Sylvan Pass	12	52N	110W	7100	12G6m	I	Lower Pebble	7	8S	38E	5800
10E7	Wy	Thumb Divide	44°22'		110°35'	7900	12G1	I	Mink Creek	33	7S	34E	6300
10F9	Wy	Togwotee Pass	29	44N	110W	9600	12G2M	I	Pebble Creek	34	7S	37E	6550
10F5	Wy	Turpin Meadows	14	45N	112W	6930							
10G1A	Wy	Young's Ranch	26	34N	116W	6530							
HENRYS FORK RIVER													
11E9	I	Big Springs	34	14N	44E	6500							
11E13	I	Black Canyon	11	13N	45E	7850							
11E19	I	Black Moose	33	14N	45E	3125							
10E15	Wy	Grassy Lake	6	48N	117W	7230							
11E10M	I	Island Park	29	13N	43E	6315							
11E16	I	Latham Springs	9	15N	45E	7650							
11E14	I	Lucky Dog	2	13N	45E	6900							
11E15	I	Old Road	12	13N	44E	7250							
11E17	I	Poacher's Cabin	11	13N	45E	8000							
11E8M	I	Valley View	7	15N	44E	6500							

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7 m	SOIL MOISTURE STATION ONLY.
10J7 a	AERIAL MARKER ONLY.
10J7 p	STORAGE PRECIPITATION GAGE ONLY.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

Blue Ledge Mine	11E11	6700	3/29	36	11.7	18.0	16.7
Camp Creek	12E3	6800	3/31	21	6.7	12.7	10.4
Kilgore	11E12	6200	3/29	23	6.8	10.9	10.0

MEDICINE LODGE CREEK

Irving Creek	12E4	7035	3/29	12	3.4	7.3	--
Webber Creek	12E5	6700	3/29	13	3.9	9.4	--

HENRY'S FORK RIVER

Big Springs	11E9	6500	3/30	44	16.8	26.3	22.6
Black Canyon	11E18	7850	3/29	79	28.8	--	--
Black Moose	11E19	8125	3/29	87	35.0	--	--
Grassy Lake	10E15	7230	3/29	75	28.8	42.6	36.8
Island Park	11E10	6315	3/30	34	11.5	20.8	17.6
Latham Springs	11E16	7650	3/29	70	27.2	40.2	--
Lucky Dog	11E14	6900	3/29	53	21.6	29.8	--
Old Road	11E15	7250	3/29	57	23.2	35.0	--
Poacher's Cabin	11E17	8000	3/29	72	27.6	--	--
Valley View	11E8	6500	3/30	39	13.0	25.9	16.4

TETON RIVER

Darby Canyon	10F21	8250	3/28	52	18.5	21.1	--
Pine Creek Pass	11F2	6750	3/28	36	13.0	21.0	--
State Line	11F1	6400	3/28	33	11.1	17.7	16.1
Teton Pass	10F13	8500	3/28	62	22.0	43.2	37.4

WILLOW CREEK

Aspen Grove	11F10	6600	4/4	20	6.8	--	--
Birch Creek	11F3	6800	4/4	6	2.4	10.0	--
Bone	11F8	6200	3/31	17	5.6	9.2	--
Ozone	11F4	5800	3/31	0	0.0	--	--
Sheep Mountain II	11F9	6600	3/31	25	8.9	14.7	--
Tex Creek	11F5	6700	3/30	24	7.4	11.0	--

SAND CREEK

Henry Creek	11F6	5650	3/29	T	T	--	--
Taylor Mountain	11F7	6500	3/29	18	6.4	7.9	--

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

BLACKFOOT RIVER

Austin Bros. Ranch	11G3	6450	3/30	20	7.0	9.3	8.5*
China Hat	11G2	6300	3/30	17	6.2	7.8	5.6*
Slug Creek Divide	11G5	7225	3/29	37	13.2	21.8	16.2
Somsen Ranch	11G1	7000	3/30	33	10.9	15.8	12.6*

PORTNEUF RIVER

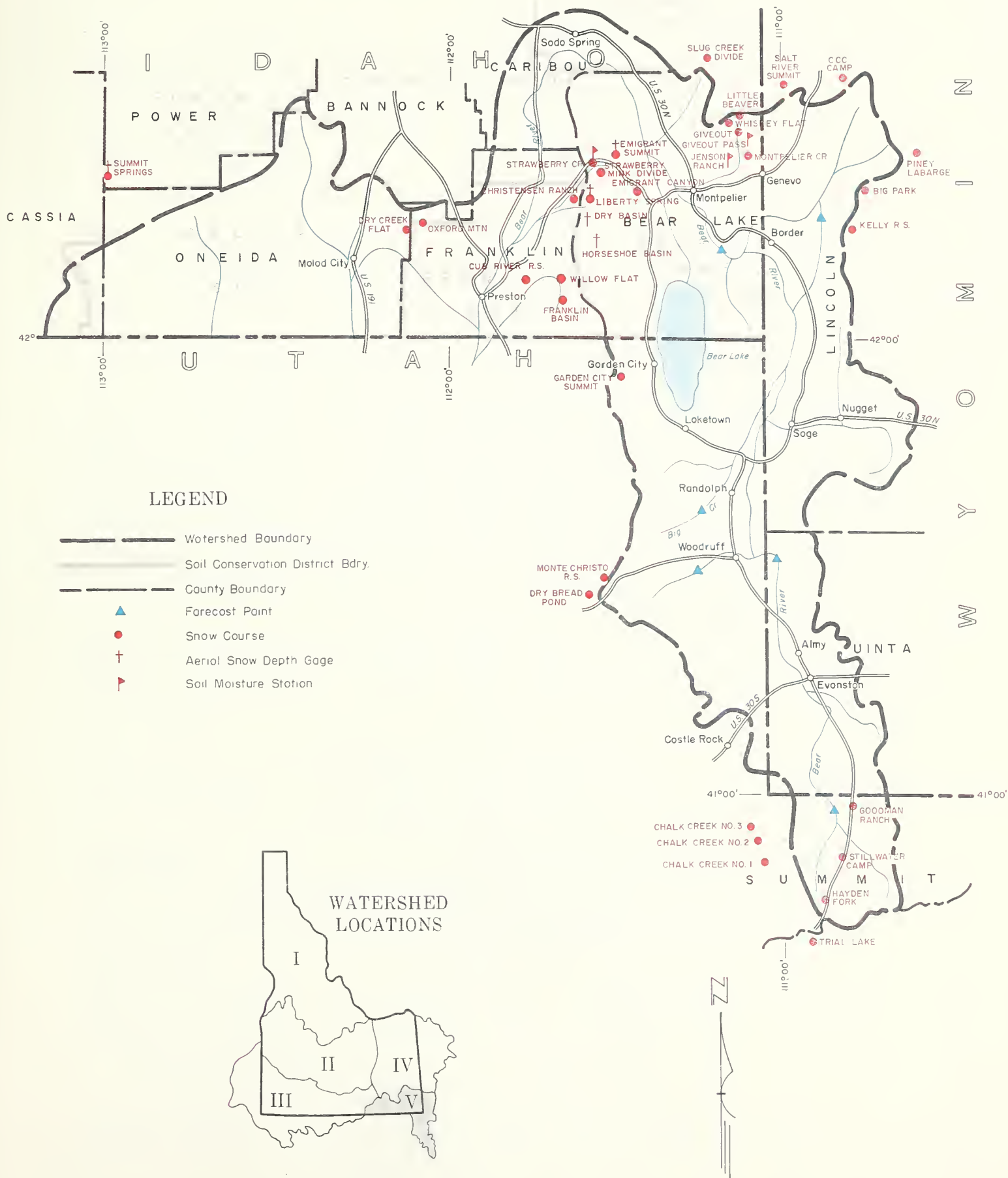
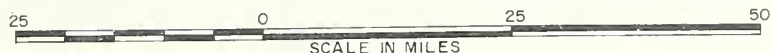
Dempsey Creek	12G5	6280	3/29	27	8.3	12.9	12.3*
Lower Pebble	12G6	5800	3/28	29	9.5	--	--
Mink Creek	12G1	6300	4/1	28	9.7	14.7	16.6
Pebble Creek	12G2	6550	3/31	28	10.0	17.6	14.6

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>HENRY'S FORK RIVER</u>							
Island Park	6315	48	9.9	3/30	8.8	8.7	8.4
Valley View	6500	48	13.3	3/30	8.0	11.0	8.4
<u>TETON RIVER</u>							
Pine Creek Pass	6750	48	13.3	3/28	4.9	8.2	9.3
State Line	6400	48	14.8	3/28	12.5	12.7	12.6
Teton Pass	8500	48	10.5	3/28	9.0	7.0	10.0
<u>PORTNEUF RIVER</u>							
Lower Pebble	5800	36	7.6	3/28	8.3	6.6	--
Pebble Creek	6550	48	7.2	3/31	6.4	5.6	6.2

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

GREAT BASIN



INDEX to SNOW COURSES

NO.	STATE	NAME	SEC. LAT.	TWP OR AND	RGE. LONG.	ELEV.
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GREAT BASIN

BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6	U	Goodman Ranch	19	3N	10E	7900
10J7	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550

MONTPELIER CREEK

11G16	I	Giveout	35	11S	45E	6840
11G17m	I	Giveout Pass	2	12S	45E	7025
11G19m	I	Jenson Ranch	15	12S	45E	6580
11G20	I	Little Beaver	26	11S	45E	6970
11G18	I	Montpelier Creek	22	12S	45E	6570
11G21	I	Whiskey Flat	26	11S	45E	6985

MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14a	I	Dry Basin	30	13S	42E	7900
11G6M	I	Enigrant Summit	21	12S	42E	7350
11G15a	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

MALAD RIVER

12G4	I	Dry Creek Flat	31	13S	37E	6350
12G3	I	Oxford Mountain	32	13S	37E	6800

LEGEND

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SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^b

GREAT BASINBEAR RIVER

Emigrant Summit	11G6	7350	3/29	47	17.9	33.7	24.9
Emigration Canyon	11G7	6500	3/29	23	8.7	12.2	10.5*

Montpelier Creek

Giveout	11G16	6840	3/28	33	10.0	17.4	--
Little Beaver	11G20	6970	3/28	41	12.8	20.5	--
Montpelier Creek	11G18	6570	3/28	27	8.6	11.4	--
Whiskey Flat	11G21	6985	3/28	25	8.1	13.5	--

Mink Creek

Christensen Ranch	11G11	5600	4/1	17	5.4	7.3	8.6*
Dry Basin (A)	11G14	7900	3/27	66	25.3	43.1	--
#Emigrant Summit	11G6	7350	3/29	47	17.9	33.7	24.9
Horseshoe Basin (A)	11G15	8000	3/27	67	25.7	43.1	--
Liberty Spring	11G13	8600	3/29	75	28.8	52.2	--
Strawberry Creek	11G9	5800	4/1	19	7.1	12.0	12.1*
Strawberry Mink Divide	11G10	6800	4/1	34	12.6	27.7	22.6*

Cub River

Cub River Rgr. Sta.	11G12	5400	3/31	12	5.2	4.4	7.6*
#Franklin Basin	11G8	8000	3/30	57	22.2	39.4	29.1
Willow Flat	11G4	6100	3/31	24	9.7	15.7	15.2*

MALAD RIVER

Dry Creek Flat	12G4	6350	3/29	T	T	3.2	4.1*
Oxford Mountain	12G3	6800	3/29	13	4.3	11.0	8.2*

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>BEAR RIVER</u>							
Emigrant Summit	7350	36	8.2	3/29	5.8	4.6	5.6
Strawberry Creek	5800	48	12.7	3/29	8.4	11.3	8.4
<u>Montpelier Creek</u>							
Giveout Pass	7025	48	12.6	3/28	8.6	--	--
Jenson Ranch	6580	48	18.7	3/28	11.3	17.1	11.6

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Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and
Water Resources, British Columbia
Department of Resources and Development,
Water Resources Division

States:

Idaho State Reclamation Engineer
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers

U. S. Department of Agriculture
Forest Service
Agricultural Research Service

U. S. Department of Commerce
Weather Bureau

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

*Other organizations and individuals furnish valuable information for
snow survey reports. Their cooperation is gratefully acknowledged.*

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with the Snow Survey"*

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